RUST-OLEUM®
11 Hawthorn Parkway
Vernon Hills, IL 60061
An RPM Company

# Technical Data Bulletin

# B-I-N®2

## Stain Blocker - Odor Sealer

**Product No.**

**259932**

**259931**

**259929**

**Performance Characteristics**
- All-purpose interior and spot exterior primer
- Fast dry - can be recoated in 2 hours
- Superior adhesion to glossy surfaces without scuff sanding
- High-hiding formula blocks dark colors and difficults stains
- Seals porous surfaces with excellent enamel holdout
- Can be applied at low temperatures from 35°F
- Seals common odors
- Seals bleeding knots and sap streaks
- Guaranteed under all topcoats

**Recommended Uses** – Recommended for application to interior ceilings, walls, doors, trim, cabinets, furniture, and related paintable surfaces. Exterior uses are limited to spot priming only. May be used to block water, nicotine, smoke, rust, crayon, graffiti, and many other types of stains.

• **Interior** - New and previously painted drywall, cured plaster/cement based coatings, wood (pine, fir, cedar, redwood, plywood), metal (aluminum, wrought iron, steel and other metals), vinyl, PVC, fiberglass, cured masonry (stucco, concrete block, poured concrete, brick). Blocks stains and odors resulting from water & fire damage, seals stains from dark colors, grease, rust, creosote, asphalt, crayon, lipstick, graffiti, markers, knots, sap streaks, tannin bleed, etc. If necessary, lightly sand new drywall after priming to remove any raised nap fibers

• **Exterior** - Spot prime persistent bleed from knots and sap streaks before full-surface priming with water or oil base primer.

• **Sealing** – B-I-N2 seals unpainted or porous surfaces so topcoat paints have better coverage. It fills and binds wood fibers to create a smooth, sealed surface with "enamel holdout" so fewer coats of paint are needed. Note that very porous surfaces may require two coats and may reduce square foot coverage of the product.

• **Stain Blocking & Odor Sealing** – One coat will effectively block stains - including water, smoke, nicotine, crayon, most types of marker and ink, tannin, graffiti, pencil - and prevent them from bleeding into the topcoat paint. Some stains require a second coat. Recommended for sealing heavy fire and water stains B-I-N2 seals in smoke stains and odors caused by fires. It also seals in urine and other animal odors from smelling. B-I-N2 is also recommended for sealing nicotine stains or odors from tobacco. For severe stains and to permanently block odors use **Zinsser B-I-N® Ultimate Stain Blocker.**

• **Over Wallcovering** – B-I-N2 may be used to prime existing, soundly adhered, non-porous wallcoverings to hide patterns/dark colors prior to painting.

**Glossy Surfaces** – Glossy enamel paint and clear finishes, ceramic tile, paneling, cabinets and metal surfaces can be primed without sanding or deglossing.

**Surface Preparation** - Surfaces should be clean, dry, sound and free of dust, dirt, excessive chalky material, grime, grease, oil, wax, mildew, wallpaper adhesive or any contamination that may interfere with adhesion. If unsure, always wash surface with a household ammonia and water solution, appropriate cleaning solution, or solvent (Do not use TSP as a cleaner). Remove any unsoundly adhered coatings. Sand any remaining paint film edges smooth with the surface. Lightly sand exposed exterior wood with 80 to 100 grit sandpaper to remove loose or weathered wood fibers. Attempt to remove existing stains by washing, sanding, scraping, etc. Kill exterior mildew with Zinsser JOMAX® House Cleaner and Mildew Killer. Bare wood that has been exposed for more than 4 weeks should be lightly sanded or abraded to remove weathered wood fibers. Countersink exposed nailheads and fill all nailholes and gouges with Ready Patch®. Remove interior mold and mildew before painting with a solution of one cup household bleach per gallon of water or a quality biocidal wash. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. Do not mix ammonia or any other chemical with bleach solution. If you are concerned about mold and mildew behind walls, underneath flooring, in ventilation systems or other unseen areas, contact a professional who specializes in mold and mildew remediation. For commercial buildings and schools follow appropriate guidelines for mold removal. Remove rust and wipe metal with a cloth dampened in alcohol then apply a rust-inhibitive primer. **WARNING!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-Approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead

**Application Conditions** – Apply when air and surface temperature is between 35° and 90°F (2° and 32° C) and relative humidity is less than 85%. Do not apply B-I-N2 if surface temperature is within 15% of the dew point. Substrate moisture content should not exceed 12%.

**Application Methods** – Shake or stir before using. Eliminate all sources of ignition. In most cases only one coat is necessary to prime most surfaces. If excessive absorption occurs over very porous substrates a second coat may be necessary. Spot priming is recommended only under high-hiding topcoat paints. For best results prime entire surface before painting. Keep container closed when not in use. **Do not thin this product**.
ÅBrush, Roller or Pad – Use natural or synthetic (nylon, polyester or blend)
ÅAirless Sprayer – Use .015" – .017" tip @ 1,500–2,000 PSI
ÅConventional Sprayer – Spray at 50 – 60 PSI

**Tinting** – Add up to 2 oz. (59 ml) universal colorant per gallon. Tinting the primer toward the color of the topcoat helps the paint hide in one coat. (Note that the addition of universal colorant may prolong the dry time of this product)

**Dry Time** – In most cases B-I-N2 will dry to the touch in 35 minutes and can be sanded or recoated in 2 hours. The dry primer film develops full adhesion after it cures in 7 to 10 days. Lower temperatures, higher humidity and the addition of tint will prolong dry and cure time.

**Coverage** – Approx. 400 - 450 sq. ft. (37 - 41 $m^2$) per gallon on smooth, painted, non-porous surfaces; 400 sq. ft. (37 $m^2$) per gallon on rough, unpainted, porous surfaces. Application losses may vary according to the porosity and texture of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

**Cleanup** – Clean up spills and drips and application tools immediately after use with paint thinner (mineral spirits). Follow equipment manufacturer's directions to clean spray equipment. Wipe up splatters before they dry.

**WARNING! Combustible liquid and vapor. Contains petroleum distillates.** Keep away from heat, sparks, and flame. Do not smoke while using. Use with adequate ventilation. Causes Eye Irritation. Do not get in eyes. In case of eye contact flush eyes with water for at least 15 minutes and get medical attention. Causes skin irritation. Avoid contact with skin and clothing. Wash thoroughly after handling. May cause respiratory irritation. Do not breathe vapors or spray mist. Ensure good cross ventilation during application and drying. If you experience difficulty in breathing, eye watering, headache, or dizziness, increase fresh air; wear an appropriate, properly fitted (NIOSH approved) respirator; or leave the area to obtain fresh air. Do not take internally. If swallowed, do not induce vomiting. Contact a physician or poison

control center immediately. WARNING: This product contains a chemical known to the state of California to cause cancer. Keep container closed when not in use. **KEEP OUT OF REACH OF CHILDREN.**

**LIMITED WARRANTY –** This product will perform as claimed if applied according to our directions. The directions apply to most applications, but may not cover special conditions, applications, techniques and/or surfaces. If you have a question, check with your dealer or contact Rust-Oleum Corporation, Vernon Hills, IL. Warranty is limited to replacement or refunded value of product actually used if such product proves defective within two years of manufacture.

**Typical Physical Properties**

| | | | |
|---|---|---|---|
| **Percent Solids, Weight:** | 77.5% | Dry Time @75° F / 50% RH: | 3 wet mils<br>Touch: 35 min<br>Recoat: 2 hours |
| **Percent Solids, Volume:** | 56.3% | | |
| **Density**: | 12.9 lb. (5.8 kg)/gal | Stain Sealing @ 75° F/ 50% RH: | 2 hours |
| **Viscosity Range:** | 90 – 95 KU | Adhesion Cure @ 75° F/50%RH: | 7 – 10 days |
| | | Cured Gloss @ 60°: | 5% (flat) |
| **Theoretical Spread Rate @ 1 mill DFT:** | 900 sq. ft gal (84 $m^2$)/gal | Cured Enamel Holdout: | 98% gloss maintained |
| | | Freeze/Thaw Stable: | Yes |
| **Flash Point (ASTM D3278):** | >104°F (>24°C) | Shelf Life: | 60 mo @ 75° F (24° C) |
| | | Storage/Handling: | Store indoors<br>40° - 80° F<br>(4° - 27°C) |
| **VOC:** | Max VOC 350 g/l | | |
| **LEED:** | Meets 4.2 requirements | | |

**Disposal** – Dispose of unused or unwanted product in accordance with local laws regulating solvent-based coatings.
**Limitations** – Not recommended for whole surface exterior application or for application to floors or decks or surfaces subject to immersion or prolonged contact with water. These limitations are not to be construed as all-inclusive.
**Technical Assistance** Available through local authorized Rust-Oleum dealers. For the dealer nearest you call (888) 855-1774 or visit our website at www.rustoleum.com.

**Packaging**

| Unit Size | Unit Code | Case Pack | Case Weight | Pallet Pack |
|---|---|---|---|---|
| 5 gallon | 259932 | 1 | 56.5 lbs. | 36 ea. |
| 1 gallon | 259931 | 2 | 23.5 lbs. | 90 cs. |
| 1 quart | 259929 | 6 | 18 lbs. | 112 cs. |

**CAUTION:** Read and carefully follow all information on this Technical Data Bulletin, on the product label and the material safety data sheet for this product. To the best of our knowledge, the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Rust-Oleum to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Rust-Oleum's quality control and assume no responsibility for coverage, performance or injuries from use. Visit Zinsser.com for our most up-to-date technical data bulletins.

**Rust-Oleum Corporation, 11 Hawthorn Parkway, Vernon Hills, IL 60061**
**An RPM Company**
**Phone: 847•367•7700**
**www.rustoleum.com**